



HELPING OUR MEMBERS WORK TOGETHER
TO KEEP THE LIGHTS ON... TODAY AND IN THE FUTURE.

Market-to-Market

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Relations

Overview

- What is Market-to-Market?
- What are the benefits of Market-to-Market?
- How does Market-to-Market impact the Missouri ratepayers?
- Recent Activities

What is Market-to-Market?

- The fundamental philosophy of the SPP/MISO interregional transmission congestion coordination process (aka Market-to-Market) is to set up procedures to allow any flowgates that are significantly impacted by generation dispatch changes in both markets to be jointly managed in the security constrained economic dispatch models of both RTOs
- Detailed in Attachment 2 - Interregional Coordination Process (ICP) of the MISO-SPP Joint Operating Agreement
 - <https://www.spp.org/spp-documents-filings/?id=18418>

What are the benefits of Market-to-Market?

- Jointly manage flowgates near the market borders
- Provide a more efficient and lower cost transmission congestion management solution
- Provide coordinated pricing at the market boundaries

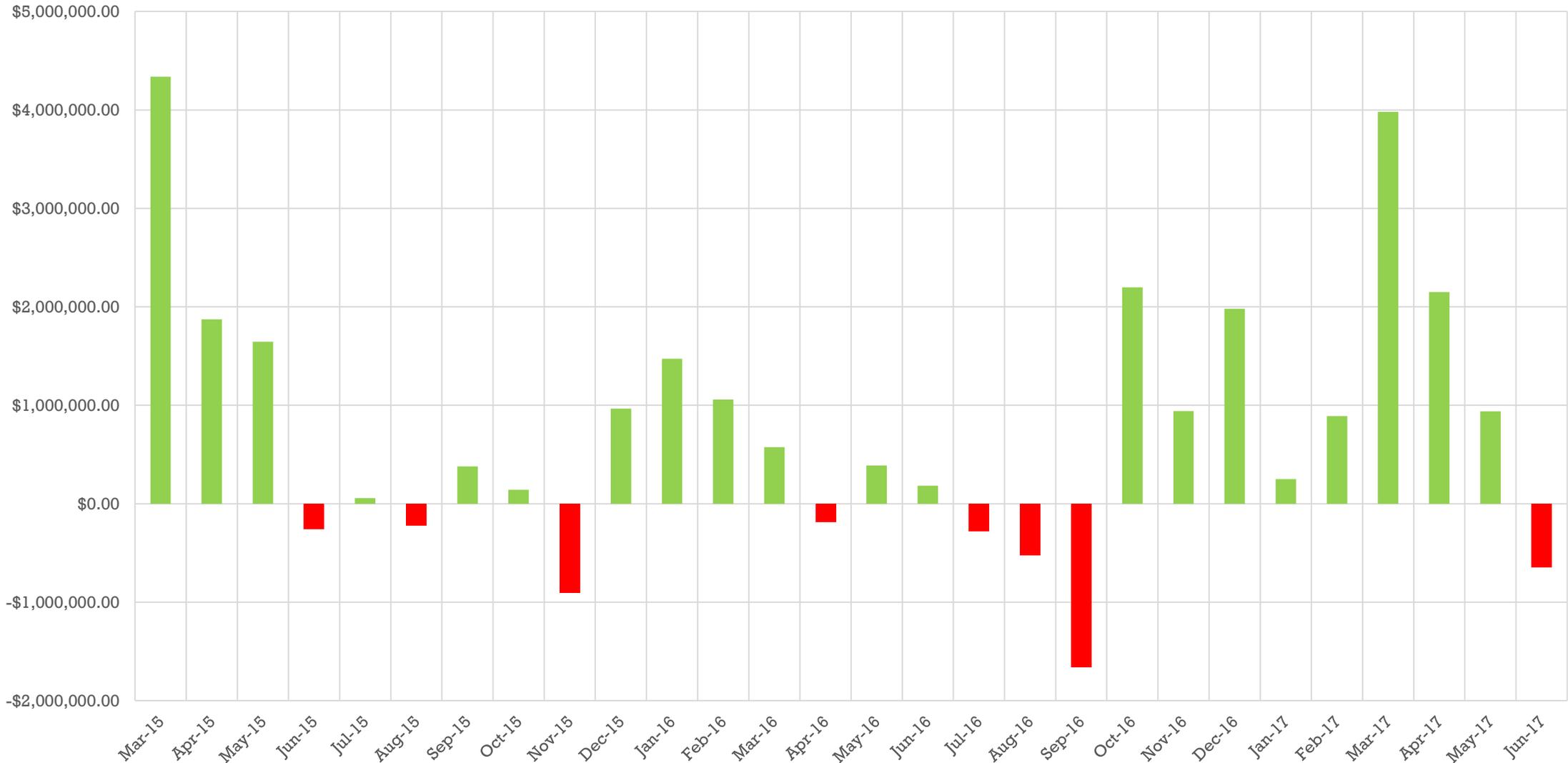
How does Market-to-Market impact the Missouri ratepayers?

- Process results in financial settlements between SPP and MISO, depending on the actual use of the transmission system in relation to entitlements on the constraint
- Charges or credits are uplifted to the markets through Revenue Neutrality Uplift (RNU)
 - Each Market Participant's portion is dependent on market activity
- Market-to-Market settlements since implementation of process (March 1, 2015) through June 30, 2017 = \$21,745,151.83 payment from MISO to SPP

M2M History Summary

\$21,745,151.83 to SPP
through June 2017

M2M Settlements since Go-Live



Note: Positive values are payments to SPP from MISO; negative values are payments from SPP to MISO.

Top 10 Flowgates since M2M Go-Live

Position	FG	Description	Control Zone	GRAND_TOTAL	DIRECTION
1	SWPP_5375	Neosho - Riverton 161kV ftlo Neosho - Blackberry 345kV	EDE, WR	\$5,411,180.94	MISO Pays SPP
2	SWPP_5501	CBLUFFS - SUB3456 345 kV ftlo ROLLHILLS - MADNCO 345 kV	MEC, OPPD	\$3,273,359.90	MISO Pays SPP
3	MISO_1967	Arkansas_PleasantHills500kv_ftlo_Arkansas_Mabelvale500kv	EAI	\$2,560,809.13	MISO Pays SPP
4	SWPP_6126	S1226-Tekamah 161kV flo S3451-Raun 345kV	MEC, OPPD	\$1,647,453.33	MISO Pays SPP
5	SWPP_21945	Beulah - Haliday 115kV ftlo Antelope Valley - Charlie Creek 345kV Ckt 2	WAUE, MDU	-\$1,631,418.08	SPP Pays MISO
6	SWPP_21012	TEMP03 Fort Smith 500/161 kV XFR (flo) Fort Smith 500/345 kV XFR	OKGE	\$1,598,072.57	MISO Pays SPP
7	SWPP_5577	Nashua 345/161 kV Transformer ftlo Nashua - Hawthorn 345kV	KCPL	\$1,567,723.32	MISO Pays SPP
8	MISO_6012	PR_ISLD - NROCH 345 kV	NSP/SMP	-\$1,533,899.25	SPP Pays MISO
9	MISO_22761	DKSN_ND - Matthson 115KV flo Belfield - Charlie Creek 345 KV	MDU, WAUE	-\$1,296,663.87	SPP Pays MISO
10	MISO_21262	MCHENRY_230_115_TR_FLO_LELANDOLDS_LOGAN	GRE	-\$1,230,983.98	SPP Pays MISO

Note: Positive values are payments to SPP from MISO; negative values are payments from SPP to MISO.

Recent Activities

- In an effort to better meet the objectives of Market-to-Market, MISO and SPP agreed in a Memorandum of Understanding (MOU) to 9 specific process improvements with a commitment to continue discussing other improvements
- SPP and MISO discussing ways to address Market-to-Market congestion in the regional and interregional planning processes

Questions?

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